

WHAT IS CLAIMED IS:

1. A communication apparatus having a wired communication function and a wireless communication function, comprising:

    determining means for determining whether connection is made to a wired communication line; and

    control means for selectively controlling, in accordance with the determination by said determining means, whether to transmit data from said communication apparatus through one of the wired communication line and a wireless communication link.

2. A communication apparatus according to Claim 1, wherein said determining means performs the determination based on whether synchronization with one of layer 1 and layer 2 of the wired communication line can be established.

3. A communication apparatus having a first mode for performing wireless communication under the control of a first wireless communication apparatus and a second mode for controlling so that a second wireless communication apparatus performs wireless communication, said communication apparatus comprising:

    determining means for determining whether connection is

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made to a wired communication line; and

control means for controlling, in accordance with the determination by said determining means, so as to switch between the first mode and the second mode.

4. A communication apparatus according to Claim 3, wherein said determining means performs the determination based on whether synchronization with one of layer 1 and layer 2 of the wired communication line can be established.

5. A communication apparatus according to Claim 3, further comprising:

generating means for generating a clock for performing communication through a wireless communication link;

wherein said control means controls, in accordance with the determination by said determining means, to perform one of communication in accordance with a clock extracted from the wired communication line and communication in accordance with the clock generated by said generating means.

6. A communication apparatus according to Claim 3, wherein said determining means performs the determination when power is supplied to said communication apparatus.

7. A communication apparatus according to Claim 3,

wherein said determining means continuously performs the determination.

8. A communication apparatus according to Claim 3, wherein said determining means periodically performs the determination.

9. A communication apparatus according to Claim 3, wherein said control means controls so as to perform display in accordance with the determination by said determining means.

10. A communication apparatus according to Claim 3, wherein said control means controls so as to display whether to perform one of the communication in the first mode and the communication in the second mode.

11. A communication apparatus according to Claim 3, wherein the first mode is a mode in which communication through the wired communication line is performed through the first wireless communication apparatus; and

the second mode is a mode in which relaying processing is performed to enable the second wireless communication apparatus to perform communication through the wired communication line.

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12. A communication apparatus according to Claim 3, wherein said control means converts, in accordance with the switched mode, a received digital signal into one of a digital signal using another encoding system and an analog signal.

13. A communication apparatus according to Claim 3, wherein said communication apparatus performs digital wireless communication and digital wired communication.

14. A communication apparatus according to Claim 13, further comprising:

a digital/digital code converter for performing digital/digital code conversion of data received from a digital wireless link and for performing digital/digital reverse code conversion of data received from the wired communication line;

an analog/digital converter for performing digital/analog conversion of the data received from the digital wireless link and for performing analog/digital conversion of data output from a data processor for processing communication data; and

a selector switch for switching to interconnect the digital/digital code converter and the wired communication

line when said communication apparatus and the wired communication line are connected to each other or to interconnect the digital/digital code converter and the analog/digital converter when said communication apparatus and the wired communication line are not connected to each other.

15. A method for controlling a communication apparatus having a wired communication function and a wireless communication function, comprising the steps of:

    determining whether connection is made to a wired communication line; and

    selectively controlling, in accordance with the determination in said determining step, whether to transmit data from said communication apparatus through one of the wired communication line and a wireless communication link.

16. A method for controlling a communication apparatus having a first mode for performing wireless communication under the control of a first wireless communication apparatus and a second mode for controlling so that a second wireless communication apparatus performs wireless communication, said method comprising the steps of:

    determining whether connection is made to a wired communication line; and

controlling, in accordance with the determination in said determining step, so as to switch between the first mode and the second mode.